

Application Serial No: 09/983,047  
In reply to Office Action of 03 September 2003

Attorney Docket No. 78381

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph at page 2, lines 12 through 16, as follows:

This patent application is co-pending with two related patent applications entitled MULTIPLEXED FIBER LASER SENSOR SYSTEM (Attorney Docket No. 78371), U.S. Patent Application Serial No. 09/983,046, ~~now~~ which has been allowed and is now U.S. Patent No. 6,563,969, and FIBER OPTIC CURVATURE SENSOR FOR TOWED HYDROPHONE ARRAYS (Attorney Docket No. 78333), by the same inventors as this application.

Please amend the paragraph at page 8, lines 15-20, as follows:

Referring now to FIG. 4, while it is preferred to use a plurality of optical fibers 12 in the sensor 10, it is possible to replace the plurality of optical fibers 12 by a single optical fiber 12' having a serpentine configuration formed by the optical fiber being formed into a winding path comprised of three legs 30, 32 and 34 (or more) in which each of the legs ~~30, 32, and 34~~ of the optical fiber 12' has a grating 18 incorporated therein.